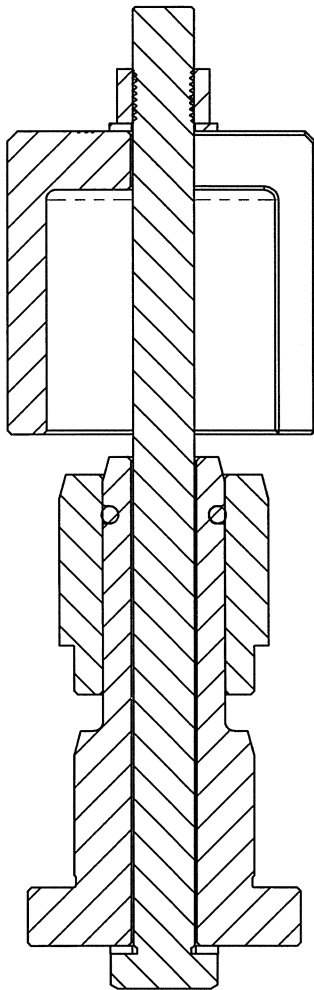
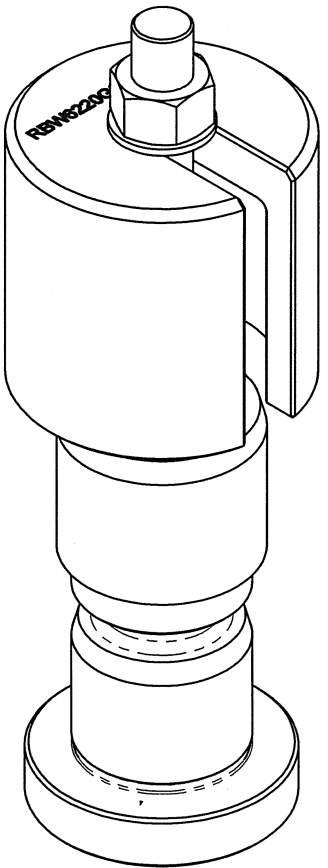
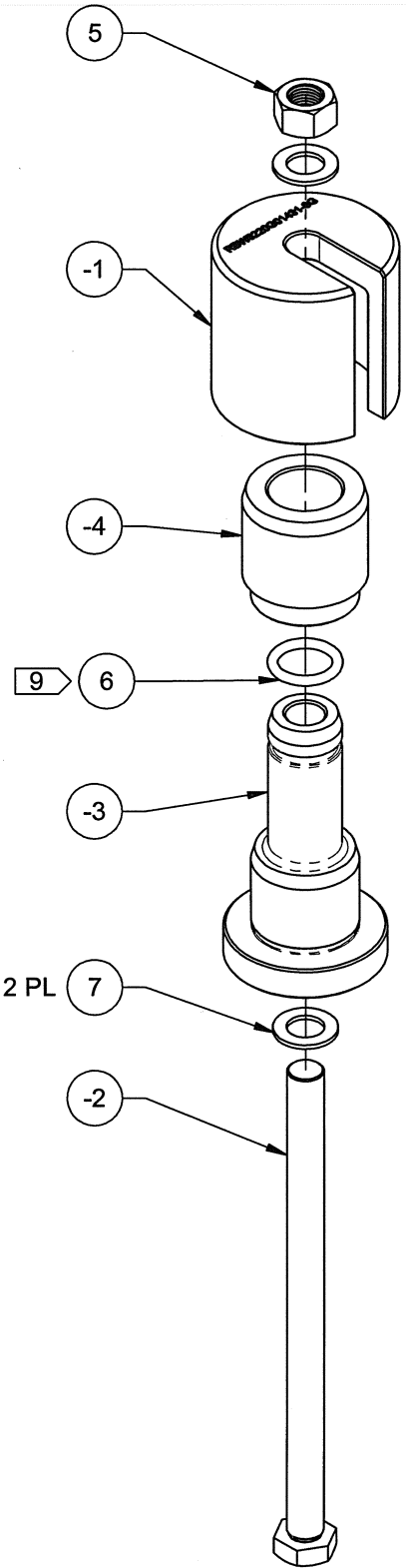


ITEM #	QTY	PART #	PART TITLE
-1	1	RBW6220G01431-8G-1	REACTION
-2	1	RBW6220G01431-8G-2	BOLT
-3	1	RBW6220G01431-8G-3	PUSHER
-4	1	RBW6220G01431-8G-4	GUIDE
5	1	McMaster#94191A550 OR EQUIV	STEEL HEX NUT 1/2"-20 GRADE 8
6	1	O-RING#4075 OR EQUIV	VITON O-RING 18.64mm ID. x 3.53mm THK
7	2	NAS1149F0863P	STEEL WASHER 0.515" ID X 0.875" OD. X 0.063" THK.



RBW6220G01431-8G M/R FLANGED BUSHING INSTALLATION TOOL

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- NOTES:
- 1) MATERIAL: N/A
  - 2) HEAT TREAT: N/A
  - 3) FINISH: N/A
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: N/A
  - 7) IDENTIFICATION: N/A
  - 8) ASSEMBLE AS SHOWN
  - 9) APPLY MOLYKOTE 55 OR EQUIVALENT ON ITEM 6 THEN ASSEMBLE WITH ITEM -3 AND REMOVE EXCESS
  - 10) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

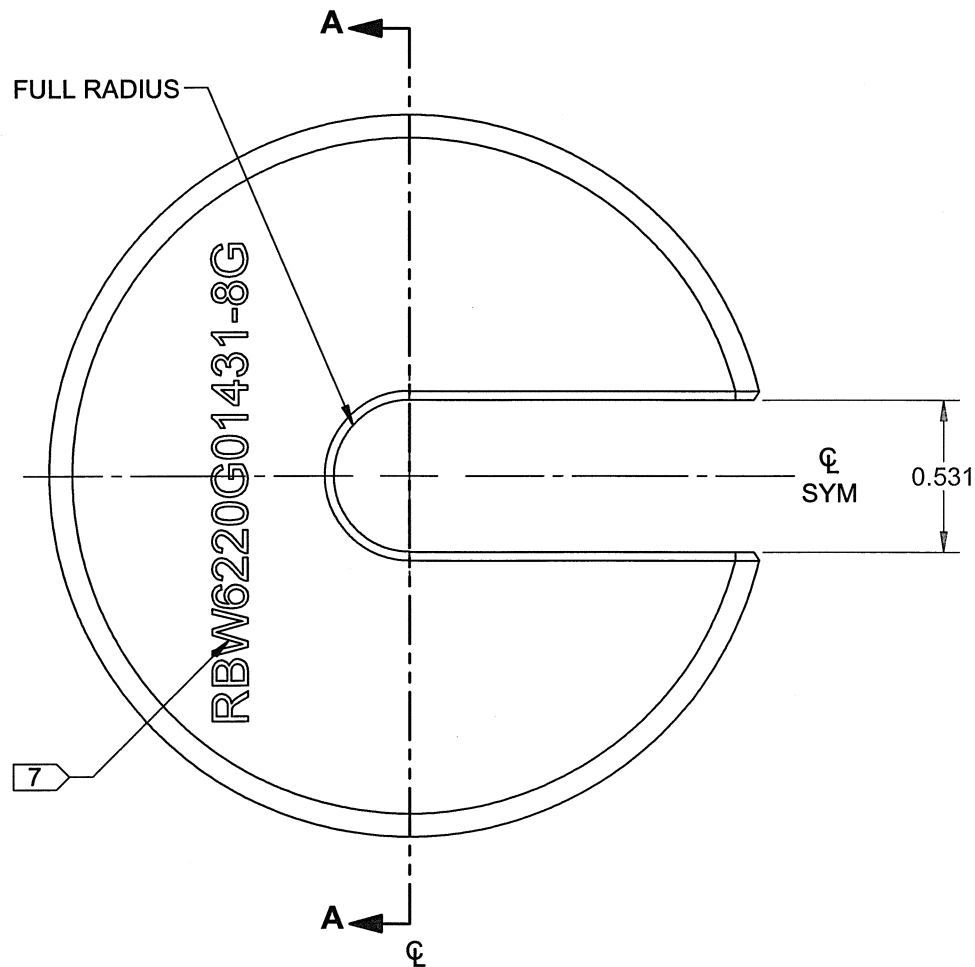
A	NEW ISSUE	19-558	VM
REV.	DESCRIPTION	ECN #	BY
DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	PK	TOOL PART #	REV. A
MFG. APPR.	DP	RBW6220G01431-8G	SHEET 1 OF 5
APPROVED	VP	TITLE	SCALE
		M/R FLANGED BUSHING INSTALLATION TOOL	N/T
DATE	2/6/2019	COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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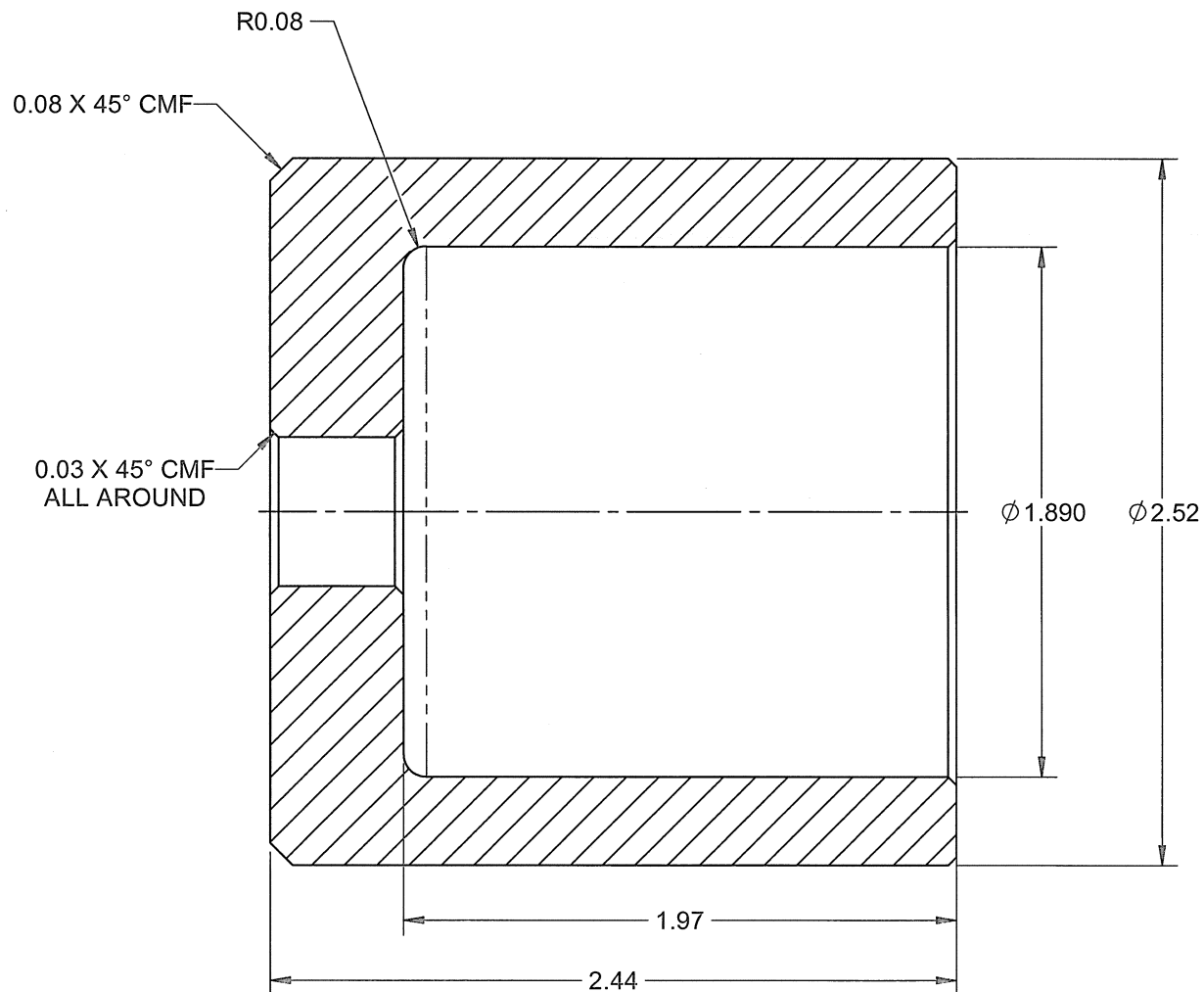
D

C

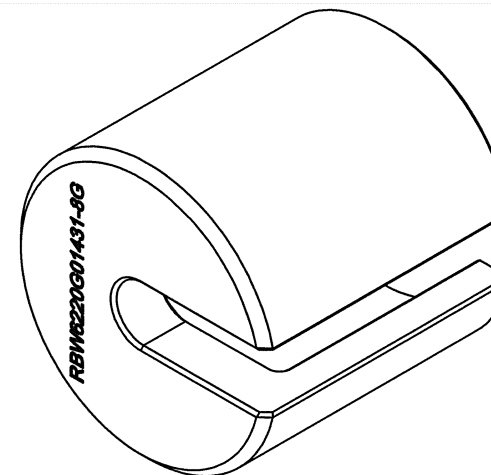
B



**RBW6220G01431-8G-1 REACTION**



**SECTION A-A**



D

C

B

**NOTES:**

- 1) MATERIAL: 6061-T6 / 7075-T6
- 2) HEAT TREAT: N/A
- 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: MACHINE ENGRAVE PER CAD MODEL AS SHOWN OR DOT MARK T/N AS SHOWN

DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	PK	TOOL PART #	REV. A
MFG. APPR.	DP	<b>RBW6220G01431-8G</b>	SHEET 2 OF 5
APPROVED	VTP	TITLE	SCALE
DATE <b>2/6/2019</b>		M/R FLANGED BUSHING INSTALLATION TOOL	NTS
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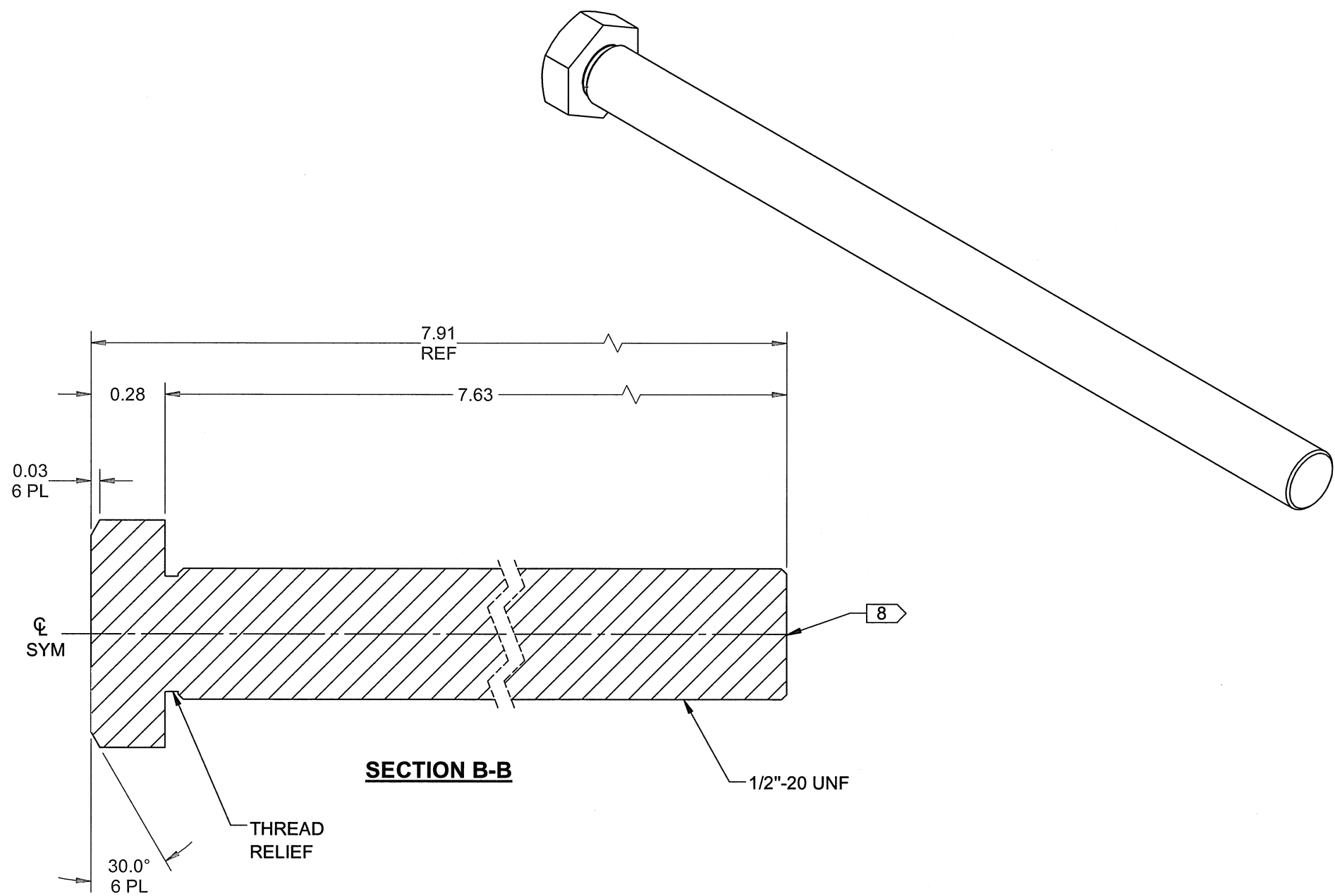
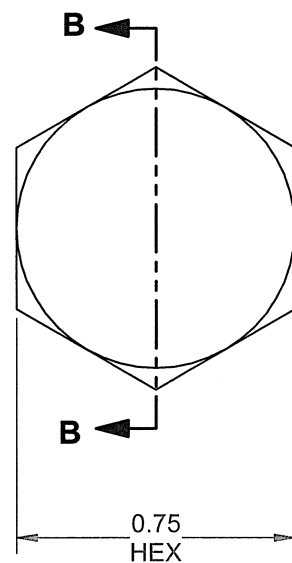
1

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A

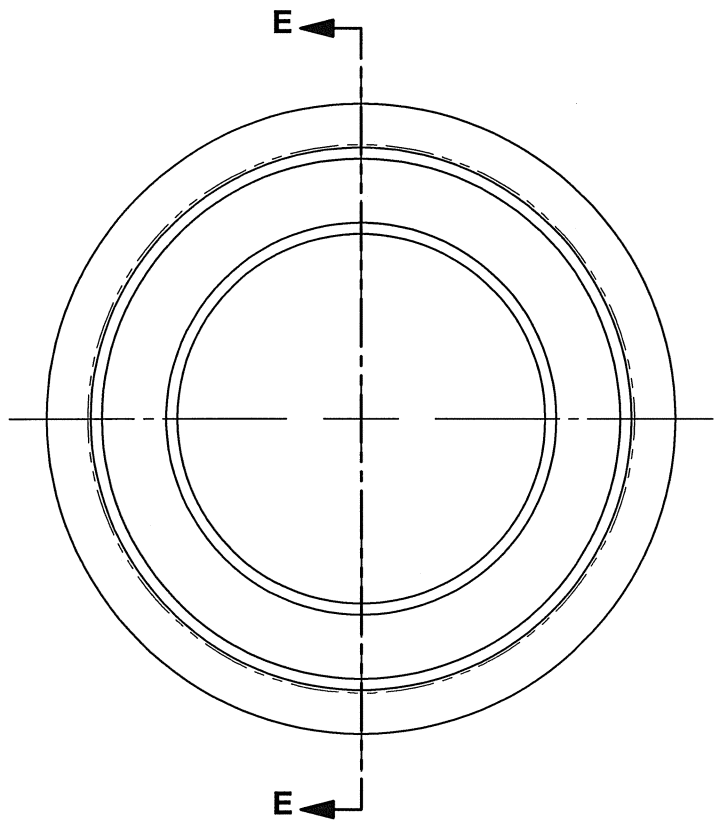
**NOTES:**

- 1) MATERIAL: 4140/4142
- 2) HEAT TREAT: 28-32 Rc
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: N/A
- 8) CENTER DRILL IS ACCEPTABLE

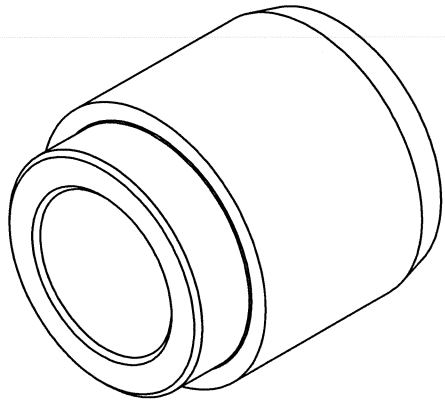
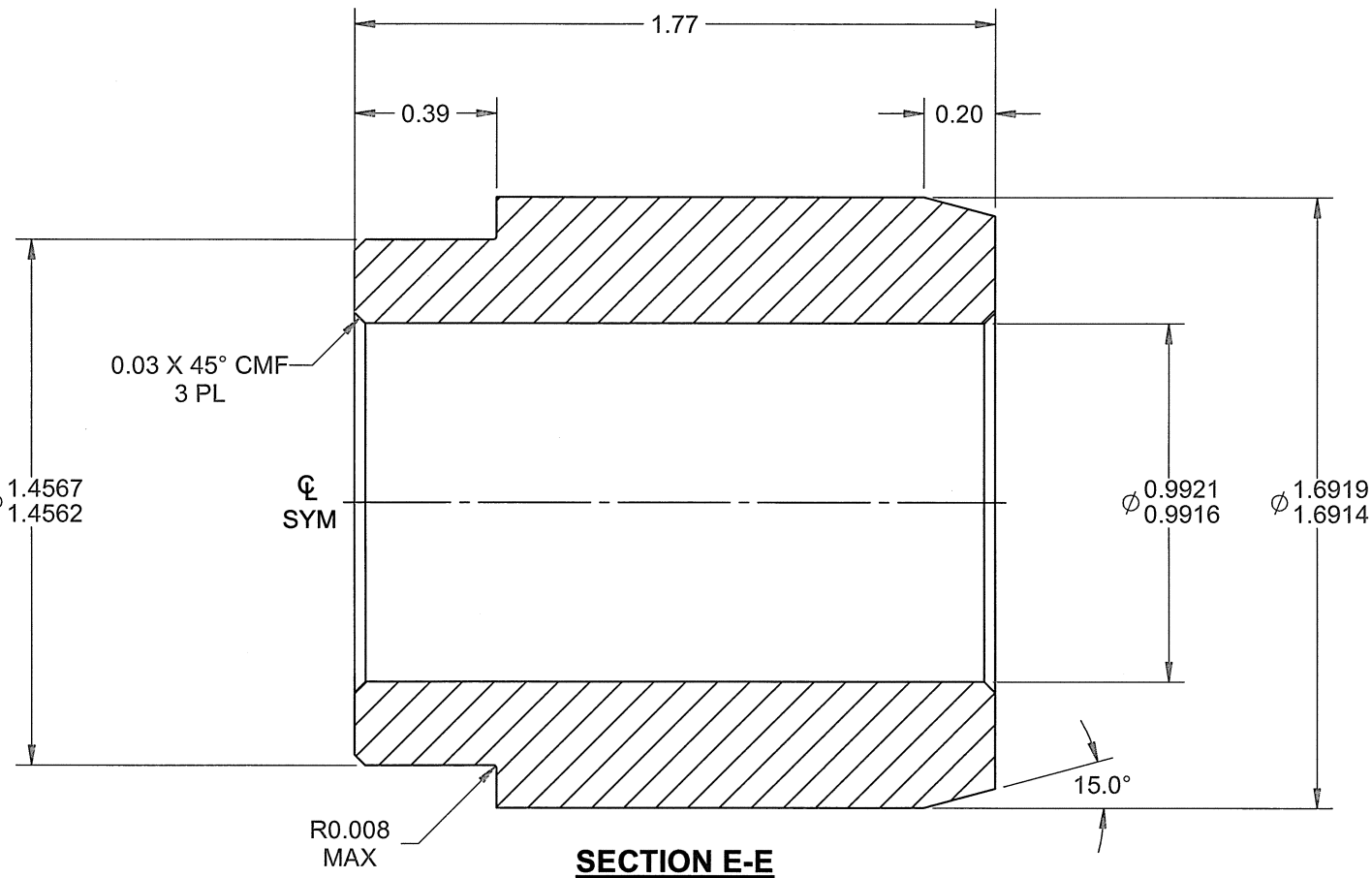
**RBW6220G01431-8G-2 BOLT**

DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	PK	TOOL PART #	REV. A
MFG. APPR.	DP	<b>RBW6220G01431-8G</b>	SHEET 3 OF 5
APPROVED		TITLE	SCALE
DATE <b>2/6/2019</b>		<b>M/R FLANGED BUSHING INSTALLATION TOOL</b>	<b>NTS</b>
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RBW6220G01431-8G-4 GUIDE



- NOTES:
- 1) MATERIAL: 4140/4142
  - 2) HEAT TREAT: 28-32 Rc
  - 3) FINISH: ZINC PLATE (YELLOW OR BLACK) PER ASTM B633 TYPE 2 CLASS 2
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: 0.005" TO 0.010"
  - 7) IDENTIFICATION: N/A

DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	PK	TOOL PART #	REV. A
MFG. APPR.	DP	<b>RBW6220G01431-8G</b>	SHEET 5 OF 5
APPROVED	VM	TITLE	SCALE
DATE <b>2/6/2019</b>		M/R FLANGED BUSHING INSTALLATION TOOL	NTS
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